

SLK60P6L 220Wp - 255 Wp

Poly-Crystalline Solar Modules

Real World Tested • Globally Trusted

siliken



- **Excellent Power Tolerance +3/0 %**
- **10 Year Limited Warranty Product**
- **25 Year Linear Power Guarantee**
- **Outstanding Low-Light Performance**
- **UL, TÜV and Intertek Certified for Worldwide Applications**
- **High Performance Modules with Efficiency up to 15,7%**
- **Carbon Friendly**



The Siliken module is rated first by Photon Laboratory for long term energy production. It generates 5.9% more power than the average value of all the modules studied and 12.4% more than the minimum value recorded.

Why Siliken?

- Our global success has established a solid foundation to service the long-term needs of the solar industry.
- With over 300 MW installed worldwide, we have built a respected brand by consistently providing a quality product with proven performance.
- Our firm commitment to R&D allows us to reduce costs and permanently improve efficiency. What's more, it enables us to improve our existing products and develop new technologies in the renewable energy sector.



Siliken Reliability

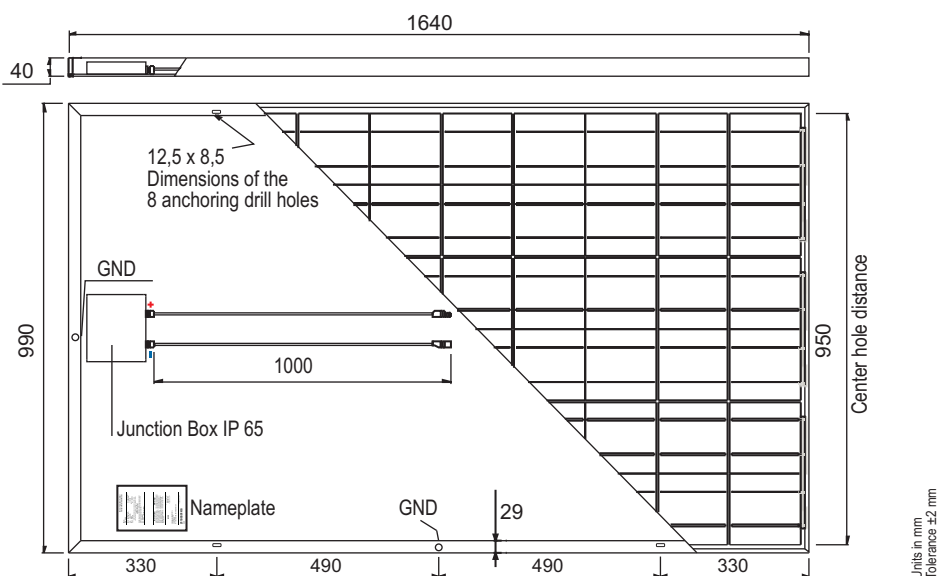
The Siliken modules are certified according to UL and IEC standards. The high quality and reliability ensure the prompt return of investment for any PV installation, including residential, commercial or utility scale.

Each module goes through its testing phases, including strict power production verification and resistance tests in radiation simulators. With innovative products and solutions successfully implemented around the world, Siliken is a recognized global leader in solar power.



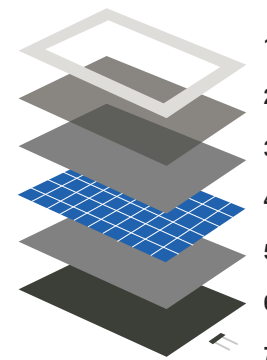
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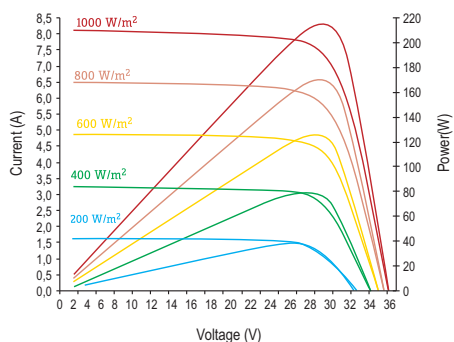
Constructive Characteristics

- 1 FRAME
- 2 GLASS PLATE
- 3 & 5 EVA
- 4 CELLS
- 6 BACKSIDE FOIL
- 7 JUNCTION BOX

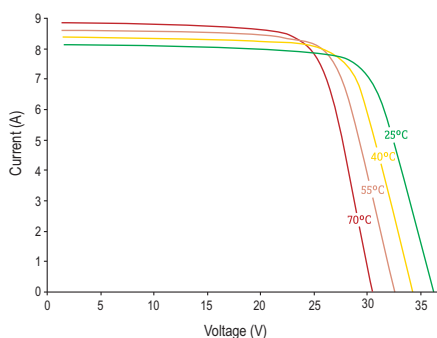


Units in mm
Tolerance ±2 mm

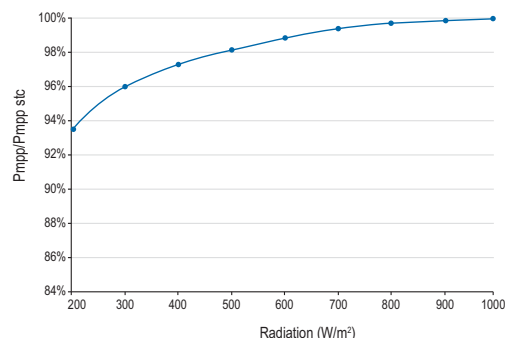
SLK60P6L - 225 Wp
I-V and Pmax characteristics with a variety of radiation levels at 25°C



SLK60P6L - 225 Wp
I-V characteristics with a variety of cell temperatures at 1.000 W/m²



Weak light performance at Pmp
— Siliken module's average



Mechanical Data

| | |
|--------------------|--|
| Dimensions (LxWxD) | 1640 x 990 x 40 mm |
| Weight | 19 kg |
| Output Cables | Symmetrical length cable 1 m Ø4 mm ² , double insulation coating, halogen free, UV resistance |
| Junction Box | IP-65 rated with bypass diodes |
| Frame | Anodized aluminum of 15 microns thickness type 6063 T6 |
| Front Glass | 3,2 mm low iron tempered glass with high transmissivity |
| Solar Cells | 60 Poly-crystalline cells 156 x 156 mm |

Electrical Data

| | P _{mp} (Wp) | 220* | 225* | 230 | 235 | 240 | 245 | 250* | 255* |
|-----------------------------------|---------------------------------------|------------|-------|-------|-------|-------|-------|-------|-------|
| Maximum power at STC (+3/0 %) | P _{mp} (Wp) | 220* | 225* | 230 | 235 | 240 | 245 | 250* | 255* |
| Efficiency at STC | η (%) | 13,6 | 13,9 | 14,2 | 14,5 | 14,8 | 15,1 | 15,4 | 15,7 |
| Fill Factor | FF | 0,740 | 0,746 | 0,749 | 0,752 | 0,753 | 0,757 | 0,756 | 0,762 |
| Voltage at Maximum Power | V _{mp} (V) | 29,2 | 29,3 | 29,5 | 29,5 | 29,6 | 29,6 | 29,8 | 29,8 |
| Current at Maximum Power | I _{mp} (A) | 7,54 | 7,68 | 7,79 | 7,97 | 8,12 | 8,27 | 8,39 | 8,56 |
| Open Circuit Voltage | V _{oc} (V) | 36,7 | 36,8 | 36,9 | 36,9 | 37,0 | 37,0 | 37,1 | 37,1 |
| Short Circuit Current | I _{sc} (A) | 8,10 | 8,20 | 8,32 | 8,47 | 8,61 | 8,75 | 8,91 | 9,02 |
| Maximum Voltage UL / IEC | V _{max} (V) UL/IEC | 600 / 1000 | | | | | | | |
| Temperature Coefficient of Pmp | T _k P _{mp} (%/°C) | -0,43 | | | | | | | |
| Temperature Coefficient of Voc | T _k V _{oc} (%/°C) | -0,356 | | | | | | | |
| Temperature Coefficient of Isc | T _k I _{sc} (%/°C) | +0,062 | | | | | | | |
| Normal Operating Cell Temperature | NOCT (°C) | 46±2 | | | | | | | |
| Series Fuse Rating | A | 11 | | | | | | | |
| Bypass Diodes | A / V | 12/40 | | | | | | | |
| Reverse current test | A | 13,5 | | | | | | | |

Values at Standard Test Conditions STC: Irradiance 1.000 W/m², Air Mass AM 1,5 and cell temperature 25°C.

* Subject to availability.

Certifications

| | |
|--|---|
| UL Listed and Intertek | UL ORD-C1703-01 / UL1703 |
| Fire Rating | Class C |
| TÜV Certified | IEC 61215 / IEC 61730 / 61701 Salt Mist Corrosion |
| ISO 9001:2000 | N° ES08/5170 |
| ISO 14001 | N° ES09/6520 |
| EC Declaration of conformity (CE Mark) | |
| MCS United Kingdom | |

Tested Operating Conditions

| | |
|-------------------|-----------------------------------|
| Temperature | -40 °C to +85 °C |
| Static Load | 2400 Pa |
| Max Load | 5400 Pa |
| Impact Resistance | Hailstone impact Ø25 mm at 23 m/s |

Product Warranty

10 year limited warranty on materials and workmanship

25 Year Linear Power Guarantee

Year 1: 97% of rated output
Years 2-25: 0.7% p.a. reduction

siliken manufacturing

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WARNING: Read the instruction manual carefully before using this product

NOTE: Siliken Manufacturing, S.L.U. reserves the right to modify this product without prior notice